

LubriOne™ AT-000/05T NATURAL

Acetal (POM) Copolymer

PolyOne Corporation

Message:

PTFE lubricated POM compound

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| Features | Low friction coefficient | | |
| | Copolymer | | |
| | Good wear resistance | | |
| | Lubrication | | |
| Uses | Gear | | |
| | Conveyor accessories | | |
| | Industrial application | | |
| | Roller | | |
| | Pulley | | |
| | Home appliance components | | |
| | Application in Automobile Field | | |
| | Business equipment | | |
| | Consumer goods application field | | |
| | Printing machine parts | | |
| | Bearing | | |
| Appearance | Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.43 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 1.5 - 2.5 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 58.0 | MPa | ASTM D638 |
| Flexural Modulus ² | 2300 | MPa | ASTM D790 |
| Flexural Strength ³ | 75.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm, Injection Molded) | 53 | J/m | ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm) | 96.0 | °C | ASTM D648 |
| Flammability | Nominal Value | | Test Method |

| Flame Rating | | UL 94 |
|------------------------|------------------|-------|
| 1.5 mm | HB | UL 94 |
| 3.0 mm | HB | UL 94 |
| Injection | Nominal Value | Unit |
| Drying Temperature | 80 - 90 | °C |
| Drying Time | 2.0 - 3.0 | hr |
| Processing (Melt) Temp | 180 - 200 | °C |
| Mold Temperature | 75 - 85 | °C |
| NOTE | | |
| 1. | Type 1, 50mm/min | |
| 2. | 1.3 mm/min | |
| 3. | 1.3 mm/min | |

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